

## **STANDARD 2: SOCIAL, ETHICAL AND HUMAN ISSUES**

Students understand the social, ethical and human issues related to using technology in their daily lives and demonstrate responsible use of technology systems, information and software.

### **READINESS (Kindergarten)**

*Students know and are able to do the following:*

- **2T-R1. Work cooperatively and collaboratively when using technology in the classroom**  
*See: Arts {Theatre} (1AT-R5)*
  - PO 1. Demonstrate respect for other students while using technology (e.g., take turns, share resources)
  - PO 2. Demonstrate appropriate behavior (e.g., use only your documents and folders)
- **2T-R2. Practice responsible use of technological devices**  
*See: Arts {Visual} (1AV-R6) and Social Studies (2SS-R1)*
  - PO 1. Operate equipment to ensure equipment is unharmed (e.g., do not bang on keys; no food or objects near equipment; care for disks and CD-ROM; use proper shut down procedures) (*See Technology IT-R2, PO1*)
  - PO 2. Recognize that damaging school equipment is destroying public property
  - PO 3. Recognize that changing someone's work without permission is unacceptable

### **FOUNDATIONS (Grades 1-3)**

*Students know and are able to do all of the above and the following:*

- **2T-F1. Demonstrate respect for other students while using technology**  
*See: Social Studies (2SS-F3, PO1-3)*
  - PO 1. Describe and practice respect for other students while using technology (e.g., do not duplicate software or documents without authorization; report behaviors that threaten the ability of others to legitimately use resources; allow peers to work uninterrupted; do not erase or damage files, documents or projects)

- **2T-F2. Practice responsible use of software**

- PO 1. Use equipment appropriately (e.g., use for assignments and school work versus personal pleasure; do not send threats)
- PO 2. Describe and practice legal and ethical behaviors when using technology (e.g., do not copy, alter, delete or move another person's work)
- PO 3. Demonstrate and practice safe and correct security procedures (e.g., protect password)

- **2T-F3. Discuss common uses of technology in daily life and the advantages and disadvantages those uses provide**

*See: Comprehensive Health (4CH-F2), Science (3SC-F4), Social Studies (4SS-F2, PO4)*

- PO 1. Describe three-to-five uses of technology in daily life
- PO 2. Discuss the positive and negative impact of technologies such as television and computers on daily life (e.g., negative health impact; safe Internet use, such as knowing what information is safe to share when using e-mail, "talking" to strangers)

## **ESSENTIALS (Grades 4-8)**

- **2T-E1. Discuss basic issues related to responsible use of technology and information and describe personal consequences of inappropriate use**

*See: Comprehensive Health (4CH-E3), Science (2SC-E2) and Social Studies (2SS-E2, PO1, 2SS-E5, PO1, 2SS-E7, PO1)*

- PO 1. Explain the purpose of an Acceptable Use Agreement/Policy and the consequences of inappropriate use
- PO 2. Describe and practice safe Internet/Intranet usage (e.g., do not post inappropriate or harmful material; do not reveal personal information; follow district Acceptable Use Policy)
- PO 3. Describe and practice "netiquette" when using the Internet and electronic mail (e.g., publish photographs of people only with their permission)

- **2T-E2. Exhibit legal and ethical behaviors when using technology and information and discuss consequences of misuse**

- PO 1. Follow the rules for deciding when permission is needed for using the work of others, (e.g., some sites specify whether permission is required or not, some work is in public domain)
- PO 2. Obtain permission to use the work of others (*See Technology 5T-E2, PO3*)
- PO 3. Provide complete citations from electronic media (e.g., use age-level appropriate, district developed standardized reference formats for citing source of information) (*See Technology 5T-E2, PO5*)
- PO 4. Explain copyright laws and “fair use” guidelines (e.g., in relationship to print, video, computer software, multimedia project, music)
- PO 5. Describe copyright guidelines<sup>3</sup> for multimedia creation and Internet development
- PO 6. State personal consequences (e.g., fines, loss of privileges, grade reduction, academic probation) related to violations of:
  - a) Copyright (e.g., sheet music, prerecorded music, print, video, images)
  - b) Password security
  - c) Privacy (e.g., student files on a network, floppy disk and hard drive)
  - d) Internet usage (e.g., inappropriate postings, accessing inappropriate material)
- PO 7. Discuss the negative impact of unauthorized intrusions into networked data and describe actions to prevent these intrusions

- **2T-E3. Demonstrate knowledge of current changes in technologies and the effect those changes have on the workplace and society**

*See: Comprehensive Health (4CH-E2) and Social Studies (3SS-E6, PO8, 3SS-E7, PO5)*

- PO 1. Compare information technologies from past to present and describe the implications of computer power doubling every 18 months (Moore’s Law) (e.g., size, speed, cost)
- PO 2. Describe the impact of technology use on individuals at home and in the workplace (e.g., computer has replaced the TV for some individuals; free time is spent using technology versus outdoor activities; jobs have been created and/or eliminated due to technological advances; possible infringement of privacy)
- PO 3. Discuss the social implications of the “digital divide” (e.g., homes and schools with much technology and connectivity versus those with less or none)

<sup>3</sup> <http://literacy.kent.edu/Oasis/Workshops/copytoc.html>; and <http://lcweb.loc.gov/copyright/circs/circ1.html>

## **PROFICIENCY (Grades 9 – 12)**

*Students know and are able to do all of the above and the following:*

- **2T-P1. Identify capabilities and limitations of contemporary and emerging technology resources and assess the potential of these systems and services**

*See: Arts {Music} (2AM-P3) and Social Studies (1SS-P1, PO2)*

- PO 1. Make informed choices among technology systems, resources and services in a variety of contexts
- PO 2. Explain the impact computer networking has on an organization (e.g., cost, allocation of resources, security, productivity, communications, and organizational or societal change)
- PO 3. Predict future technological advances and the impact of them for individuals and the workplace (e.g., given the current “instant access,” what’s next?)

- **2T-P2. Analyze advantages and disadvantages of widespread use and reliance on technology in the workplace and in society as a whole**

*See: Comprehensive Health (4CH-P2), Science (3SC-P3), Social Studies (1SS-P1, PO1-2) and Workplace Skills (7WP-P2)*

- PO 1. Explain the cost of maintaining technology in terms of money and manpower
- PO 2. Describe the effect on an organization when technology fails (e.g., power outage)
- PO 3. Analyze the long-term impact of technologies and their obsolescence (e.g., on the preservation of, and access to, older technologies; responsible disposal of old technologies; retraining of workforce)

- **2T-P3. Demonstrate legal and ethical behaviors among peers, family, and community regarding the use of technology and information**

*See: Social Studies (2SS-P8, PO2 and PO4-6)*

- PO 1. State personal liability issues related to security systems to protect technologies (e.g., use of passwords and the importance of protecting them; use of encryption software)
- PO 2. Discuss individual privacy issues versus First Amendment protection (e.g., federal and state filtering and access legislation)
- PO 3. Explain the impact of unauthorized intrusions (i.e., hacking, spamming, manipulating or deleting data) on society
- PO 4. Describe computer viruses and ways to protect computers from them

## **DISTINCTION (Honors)**

*Students know and are able to do all of the above and the following:*

- **2T-D1. Analyze current changes in technologies and predict the effect those changes have on the workplace and society**  
*See: Comprehensive Health (4CH-D1) and Science (3SC-D1)*
- **2T-D2. Advocate for legal and ethical behaviors among peers, family, and community regarding the use of technology and information**  
*See: Comprehensive Health (4CH-D1, 5CH-D1) and Science (4SC-D1 and D2)*